

WHAT IS CLAIMED IS:

1. A flutter test model comprising:

an elastic spar that simulates an elasticity of an actual wing;

a plurality of wing elements that simulate an external shape of the actual wing, the plurality of wing elements being fixed along the elastic spar so as to form a test wing; and

connecting means for connecting the wing elements to the elastic spar, the connecting means being disposed within the wing elements, wherein the connecting means are interior to an exterior surface of the test wing.

2. The flutter test model according to Claim 1, wherein the connecting means comprises:

an anchor member that is fixed to the elastic spar; and

a bolt that fixes a wing element of the plurality of wing elements to the anchor member, the wing element being fitted around the elastic spar and the anchor member from a wing tip side, and the bolt passing through the wing element from the wing tip side and being fastened to the anchor member.

3. The flutter test model according to Claim 2, wherein one of the wing element and the anchor member includes a weight disposed within a weight support hole.

4. A flutter test model comprising:

an elastic spar that simulates an elasticity of an actual wing;

a plurality of wing elements that simulate an external shape of the actual wing, wherein the plurality of the wing elements are fixed along the elastic spar so as to form a test wing;

a plurality of anchoring members that are fixed to the elastic spar; and

a plurality of engaging members that fix each of the plurality of wing elements to each of the plurality of anchor members, wherein each of the

plurality of wing elements are fitted around the elastic spar, and each of the plurality of engaging members are engaged with each of the plurality of anchor members via a passage in each of the plurality of wing members, the passage passing through each of the plurality of wing members from a wing tip side and is disposed within an interior of an exterior surface of the actual wing.

5. The flutter test model according to claim 4, wherein the engagement members comprise bolts.

6. The flutter test model according to claim 4, wherein one of the wing elements and the anchor members includes a weight disposed within a weight support hole.

7. A method for assembling a test wing for a flutter test model, said method comprising the steps of:

fitting a wing element around an elastic spar;

attaching the wing element to the elastic spar by engaging the wing element to anchor members of the elastic spar through a passage in the wing element, wherein the passage passes through the wing element from a wing tip side and said passage is disposed within an interior of an exterior surface of the test wing.

8. The method for assembling a test wing for a flutter test model, according to claim 7, further comprising the step of:

disposing a weight in a weight support hole in one of the wing elements and the anchor members.

9. The method for assembling a test wing for a flutter test model, according to claim 7, further comprising the step of:

attaching the wing element is performed by bolting the wing element to the anchor members.